

10/069704

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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant: **BEERENDS, John Gerard**

Case: **PTT-133(402582US)**

International Application No.: **PCT/EP00/08884**

International Filing Date: **08 September 2000**

Priority Date Claimed: **15 September 1999**

Title: **MEASURING THE PERCEPTUAL QUALITY OF SPEECH SIGNALS
INCLUDING ECHO DISTURBANCES**

COMMISSIONER FOR PATENTS

BOX PCT

Washington, D. C. 20231

S I R:

DISCLOSURE STATEMENT

The applicant respectfully requests that the following references be considered in the examination of the above-identified application. A copy of each reference is enclosed. If any of these references were uncovered by an international or foreign search as part of a counterpart application filed by the applicants, then a copy of the search report is also enclosed.

European Published Patent Applications

<u>Publication No.</u>	<u>Date Published</u>
AA. 0 719 028 A3	April 28, 1999
AB. 0 719 028 A2	June 26, 1996

PCT Published Patent Applications

<u>Publication No.</u>	<u>Date Published</u>
AC. WO 99/39453	August 5, 1999
AD. WO 99/13596	March 18, 1999
AE. WO 97/15124	April 24, 1997
AF. WO 94/00922	January 6, 1994

Publications

- AG. John G. Beerends et al., "A Perceptual Speech-Quality Measure Based on a Psychoacoustic Sound Representation", J. Audio Eng. Soc., Vol. 42, No. 3, March 1994, pps. 115-123.
- AH. "The E-model, a computational model for use in transmission planning", Series G: Transmission System and Media, Digital Systems and Networks - International telephone connections and circuits - General definitions, ITU-T (Telecommunication Standardization Sector of ITU), G.107, (12/98), 13 pages.
- AI. "Objective quality measurement of telephone-band (300 - 3400 Hz) speech codecs", Series P: Telephone Transmission Quality - Methods for objective and subjective assessment of quality, ITU-T (Telecommunication Standardization Sector of ITU), P.861, (08/96), 17 pages.
- AJ. "In-Service, Non-Intrusive Measurement Device - Voice Service Measurements", Telephone Transmission Quality - Objective Measuring Apparatus, ITU-T (Telecommunication Standardization Sector of ITU), P.561, (02/96), 23 pages.


REMARKS

Under rule 37 C.F.R. 1.98(a) (effective March 16, 1992), since the references are in the English language, the applicant submits that no specific comments are necessary.

The applicant has also attached a completed modified Form PTO/SB08A&B hereto.

Respectfully submitted,

25 February 2002



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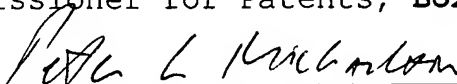
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Peter L. MICHAELSON

Name of person making certification

(PTT133DCST/81:ca)



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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴ Kind Code ⁵ (if known)				
	AA.	EP	0 719 028 A3 /		April 28, 1999		
	AB.	EP	0 719 028 A2 /		June 26, 1996		
	AC.	WO	99/39453 /		August 5, 1999		
	AD.	WO	99/13596 //		March 18, 1999		
	AE.	WO	97/15124		April 24, 1997		
	AF.	WO	94/00922 /		Jan. 6, 1994		
	(copy of International Search Report supplied)						

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known

Application Number	
Filing Date	
First Named Inventor	BEERENDS, John Gerard
Group Art Unit	
Examiner Name	
Attorney Docket Number	PTT-133 (402582US)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

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